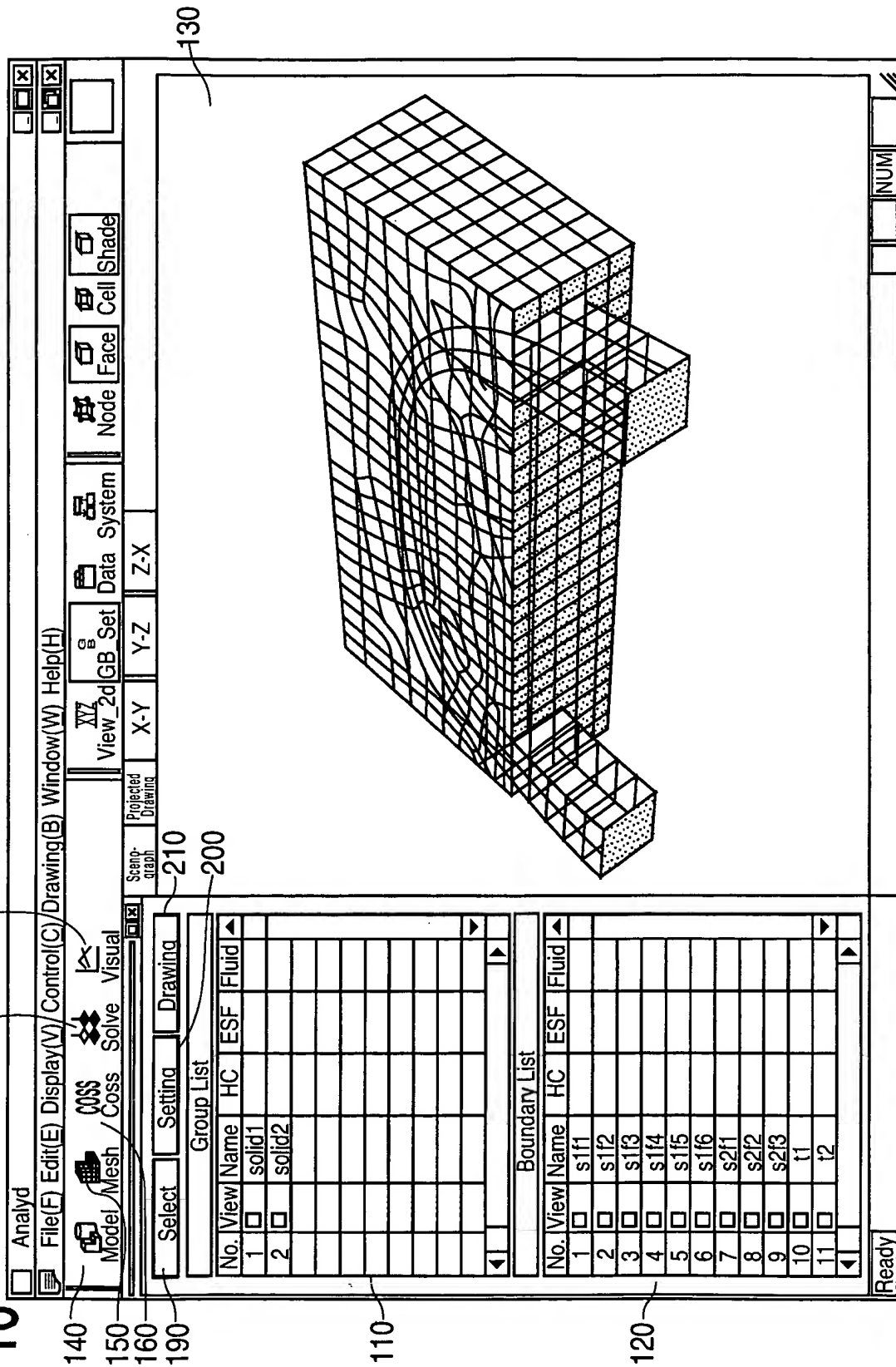


170 180



The screenshot displays the ANSYS Workbench software interface. At the top is a menu bar with options: File(F), Edit(E), Display(V), Control(C), Drawing(B), Window(W), and Help(H). Below the menu bar is a toolbar containing icons for Model, Mesh, Coss, Solve, Visual, and various view options (View\_2d, GB, Set, X-Y, Y-Z, Z-X). The main area shows a 3D wireframe model of a mechanical part with a mesh. The bottom panel contains two tables: 'Group List' and 'Boundary List'.

No.	View Name	HC	ESF	Fluid
1	solid1			
2	solid2			

No.	View Name	HC	ESF	Fluid
1	s1f1			
2	s1f2			
3	s1f3			
4	s1f4			
5	s1f5			
6	s1f6			
7	s2f1			
8	s2f2			
9	s2f3			
10	t1			
11	t2			

The screenshot displays the ANSYS Workbench environment. At the top, the menu bar includes File(F), Edit(E), Display(V), Control(C), Drawing(B), Window(W), and Help(H). Below the menu is a toolbar with icons for various functions: Model, Mesh, Coss, Solve, Visual, and others. The main workspace shows a 3D wireframe model of a mechanical part with a U-shaped cutout, rendered on a grid. The bottom panel contains two tables: 'Group List' and 'Boundary List'.

No.	View Name	HC	ESF	Fluid
1	solid1			
2	solid2			

No.	View Name	HC	ESF	Fluid
1	s1f1			
2	s1f2			
3	s1f3			
4	s1f4			
5	s1f5			
6	s1f6			
7	s2f1			
8	s2f2			
9	s2f3			
10	t1			
11	t2			

Group select  
mode  
190

Analysis condition  
set mode 200

Group/boundary  
draw mode 210

- Physical model

Group physical  
model list 110

Group  
boundary  
list

- Physical model

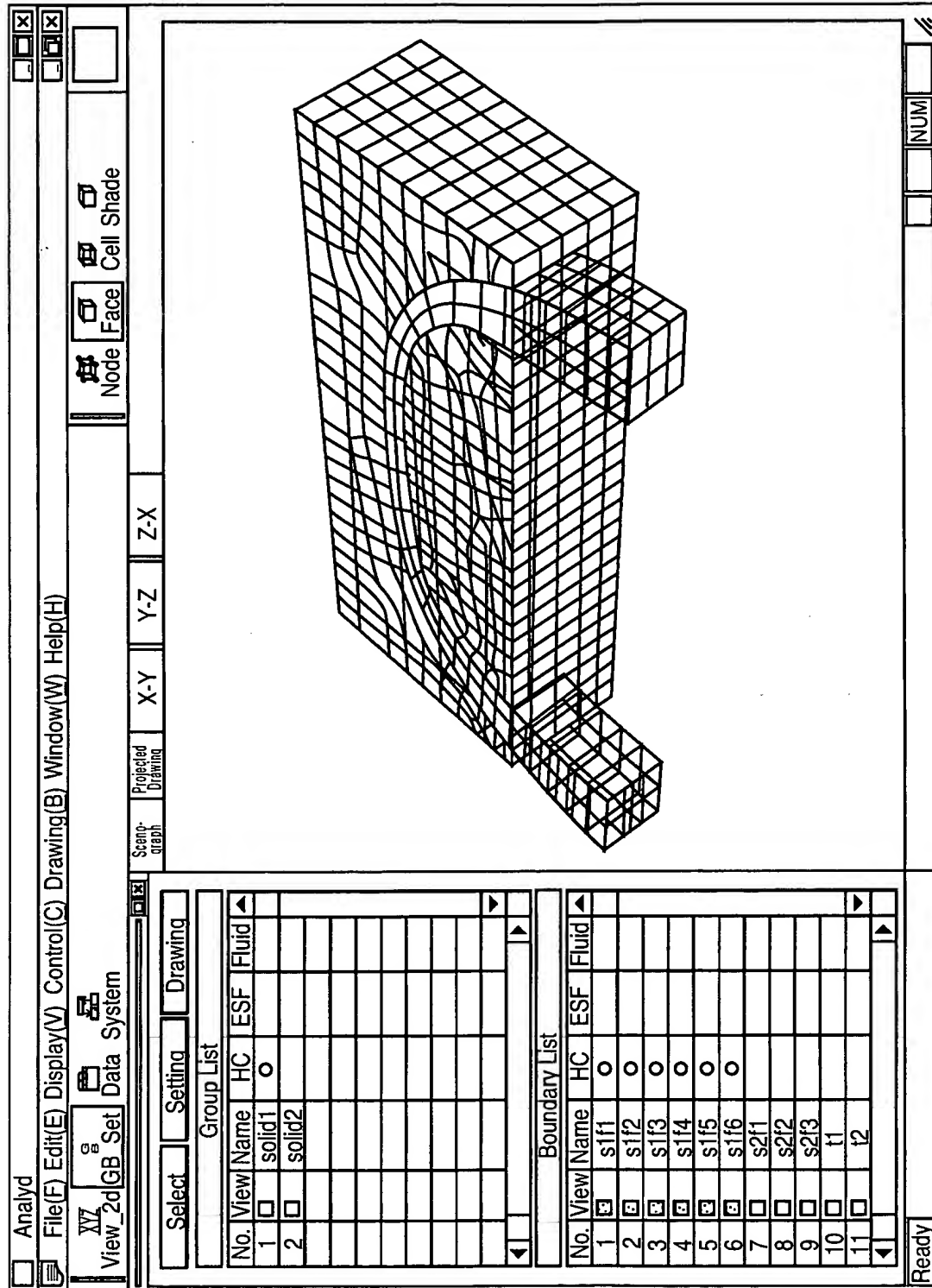
Boundary  
physical  
model list  
120

Boundary name

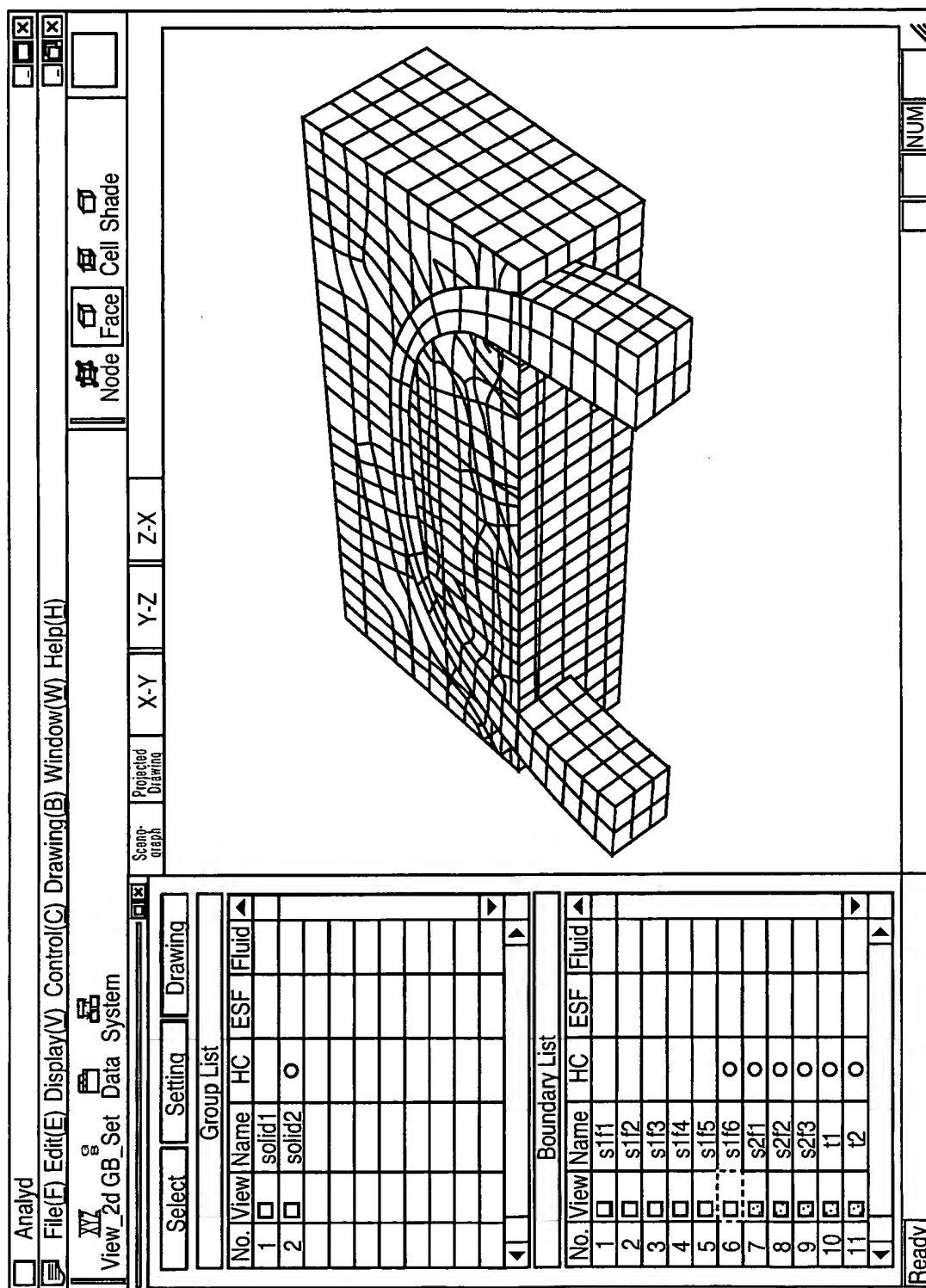


# REPLACEMENT SHEET

FIG. 14



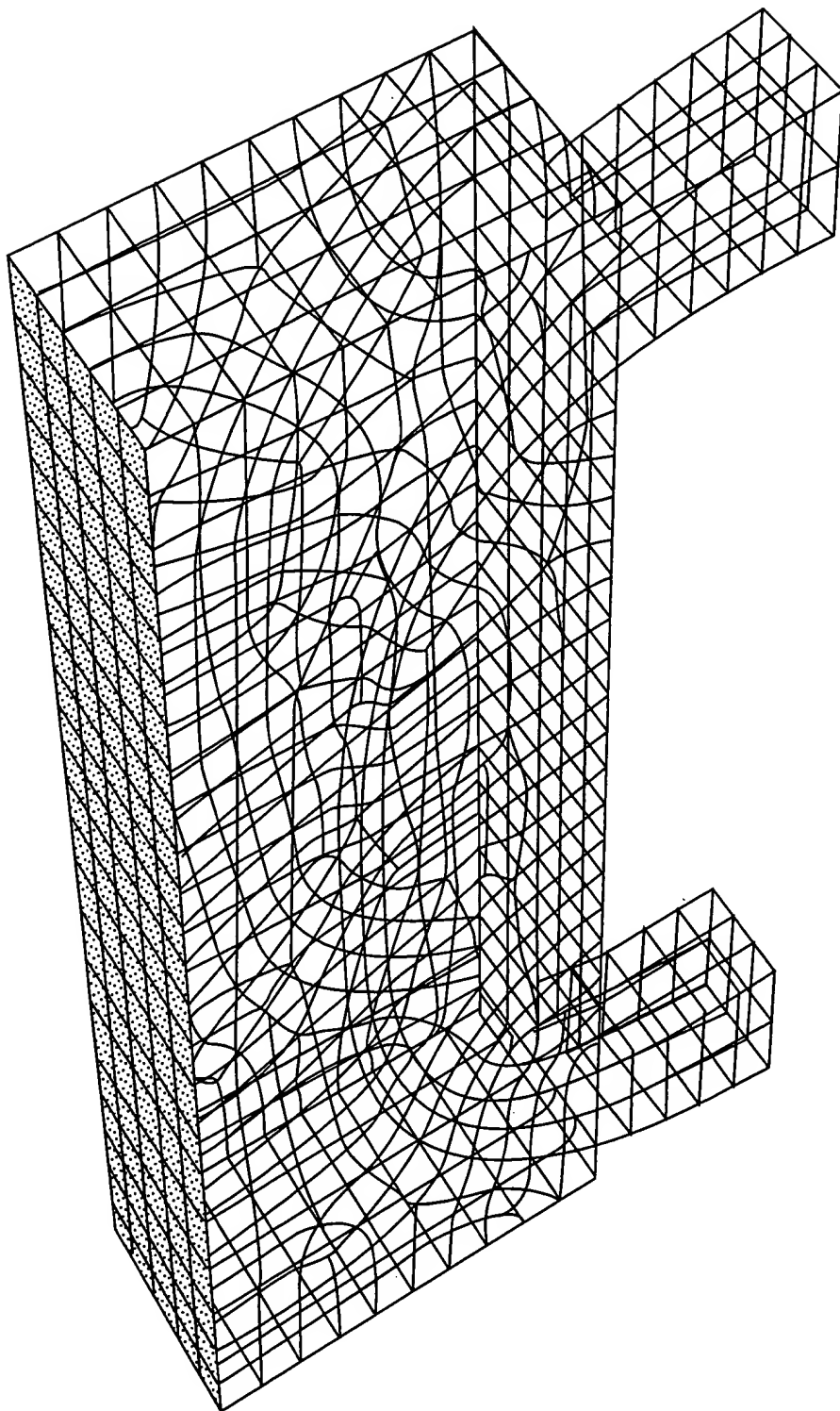
**FIG. 15**





REPLACEMENT SHEET

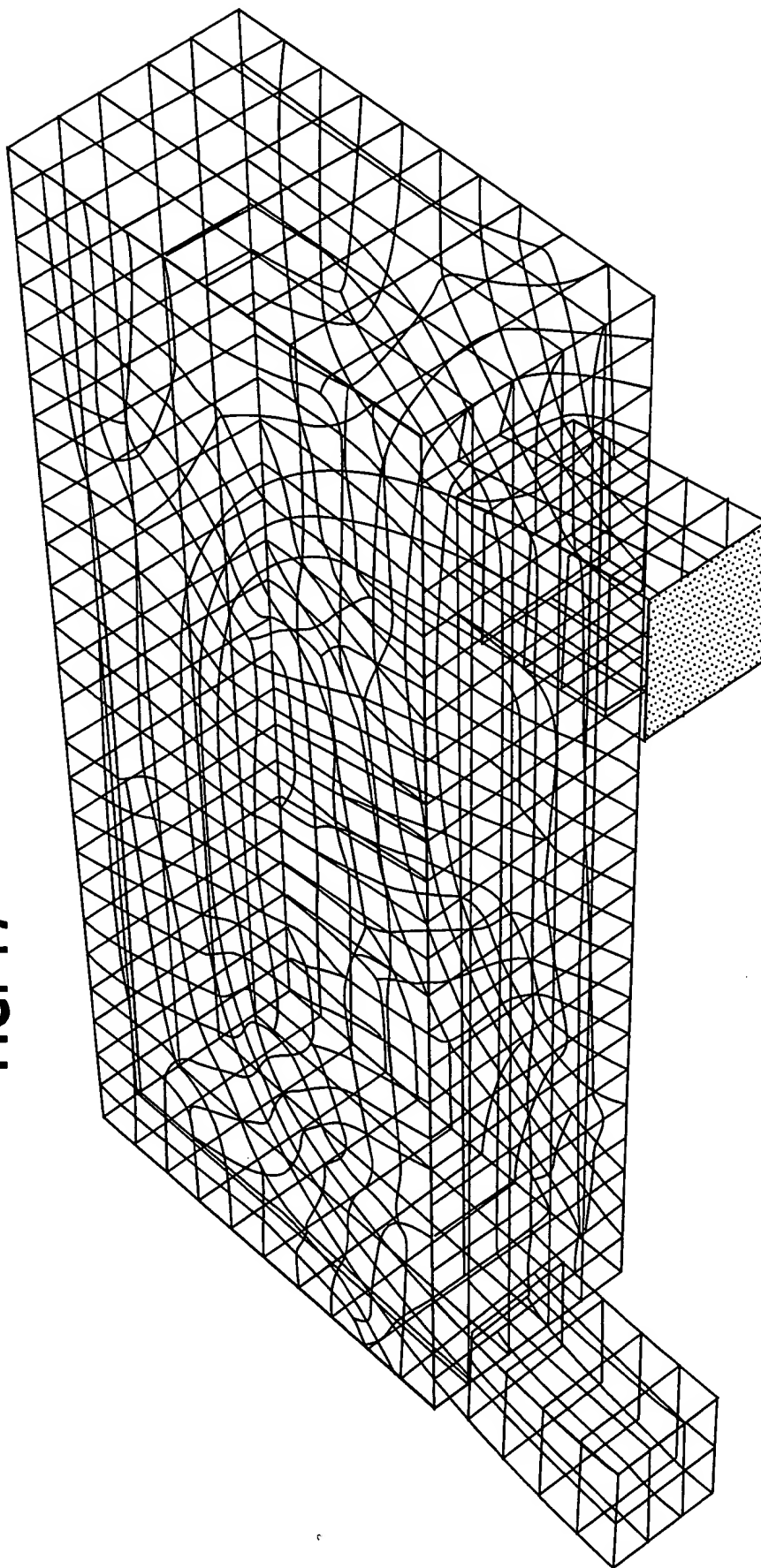
FIG. 16





REPLACEMENT SHEET

FIG. 17







**FIG. 18**

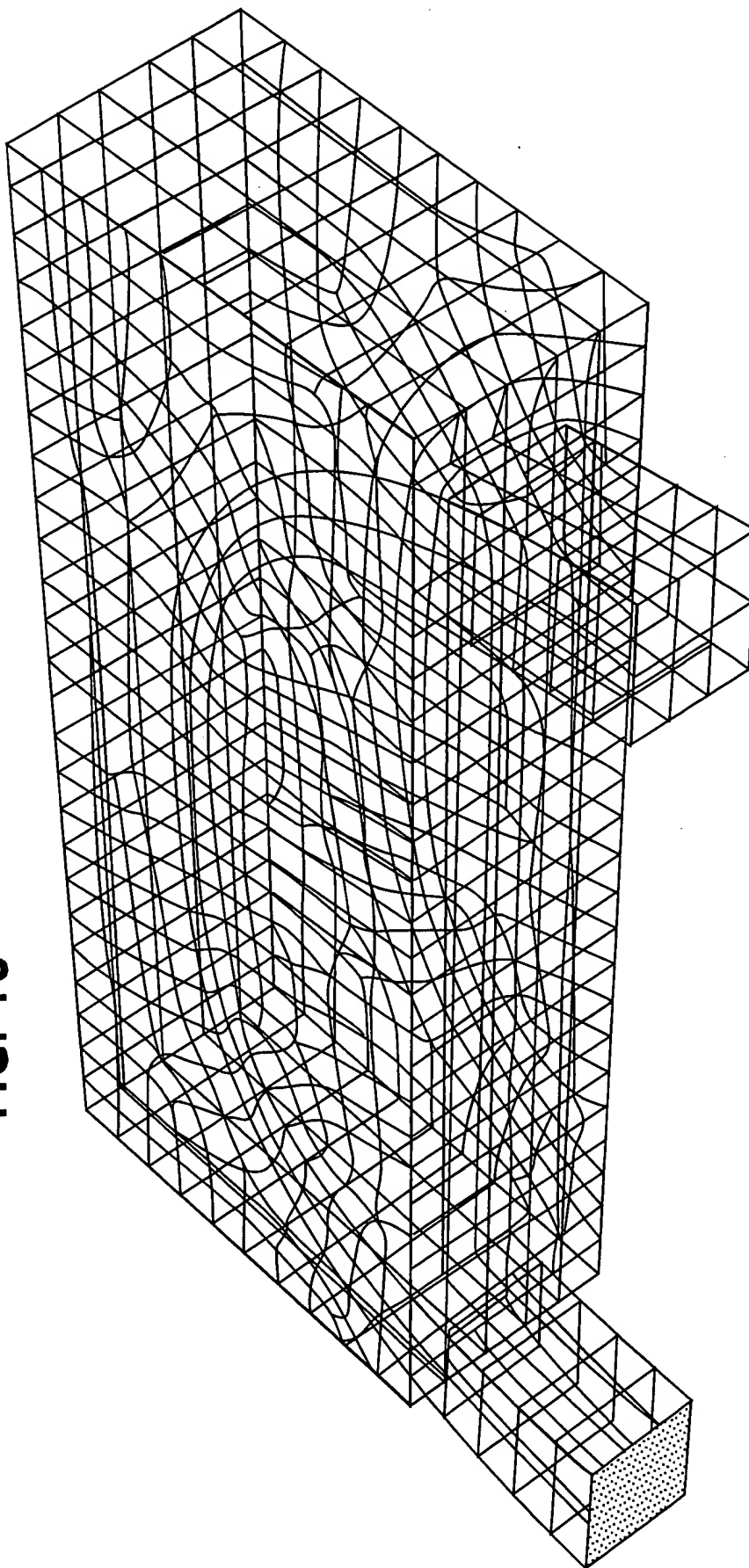




FIG. 21

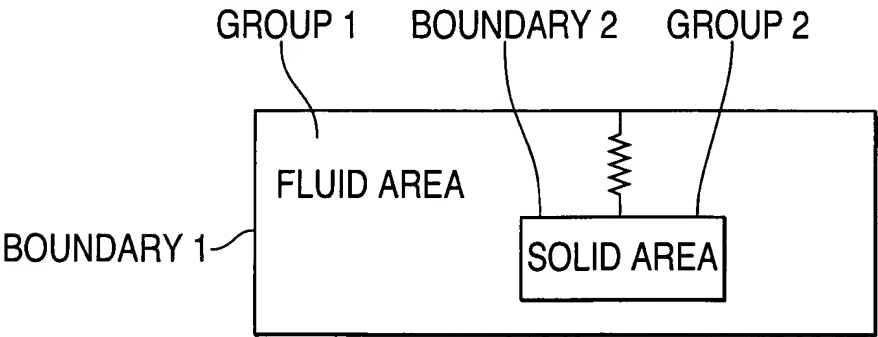
	HEAT CONDITION	FLUID	STRUCTURAL ANALYSIS	ELECTROSTATIC MAGNETIC FIELD	ELECTRO- MAGNETIC FIELD	...
GROUP 1	○	○				
GROUP 2	○	⊙				
GROUP 3	○					
GROUP 4	○					

MOVING ELEMENT GROUP

	HEAT CONDITION	FLUID	STRUCTURAL ANALYSIS	ELECTROSTATIC MAGNETIC FIELD	ELECTRO- MAGNETIC FIELD	...
BOUNDARY 1	○	○				
BOUNDARY 2	○	○				
BOUNDARY 3	○	⊙				
BOUNDARY 4	○					

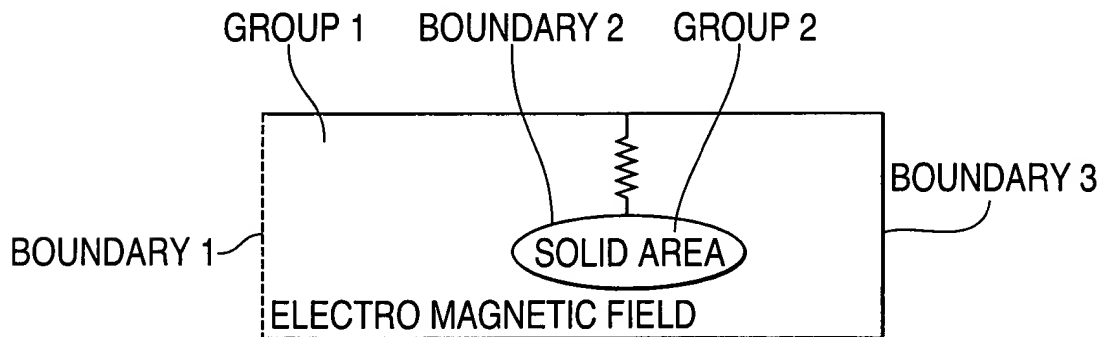
MOVING BOUNDARY

FIG. 22



**FIG. 23**

PHYSICAL MODEL	FLUID	HEAT	STRUCTURE	ELECTRO- MAGNETIC FIELD	ETC
GROUP 1	⊙				
GROUP 2			○		
⋮					
⋮					
BOUNDARY 1	○				
BOUNDARY 2	⊙		⊙		

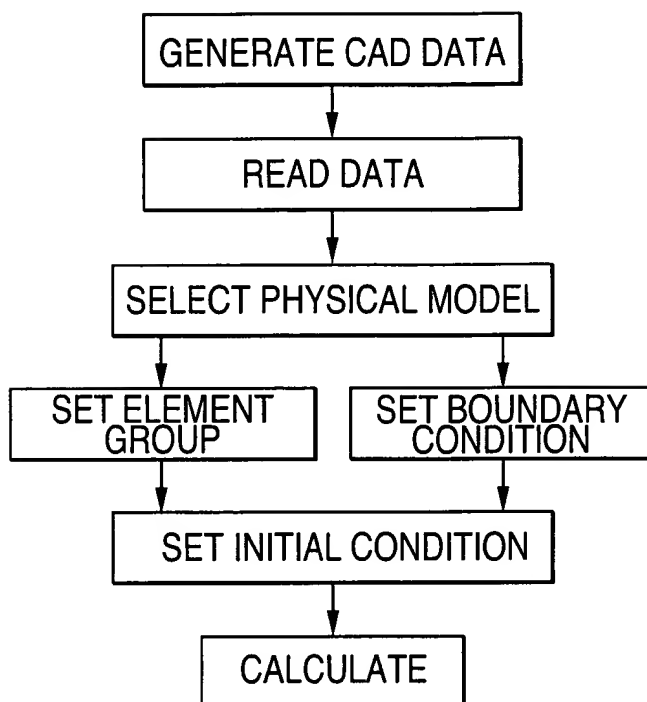
**FIG. 24**

PHYSICAL MODEL	FLUID	HEAT	STRUCTURE	ELECTRO- MAGNETIC FIELD	ETC
GROUP 1				○	
GROUP 2		○	○	○	
⋮					
BOUNDARY 1				○	
BOUNDARY 2		⊙	⊙	⊙	
BOUNDARY 3				○	
⋮					



# REPLACEMENT SHEET

**FIG. 25**  
(PRIOR ART)



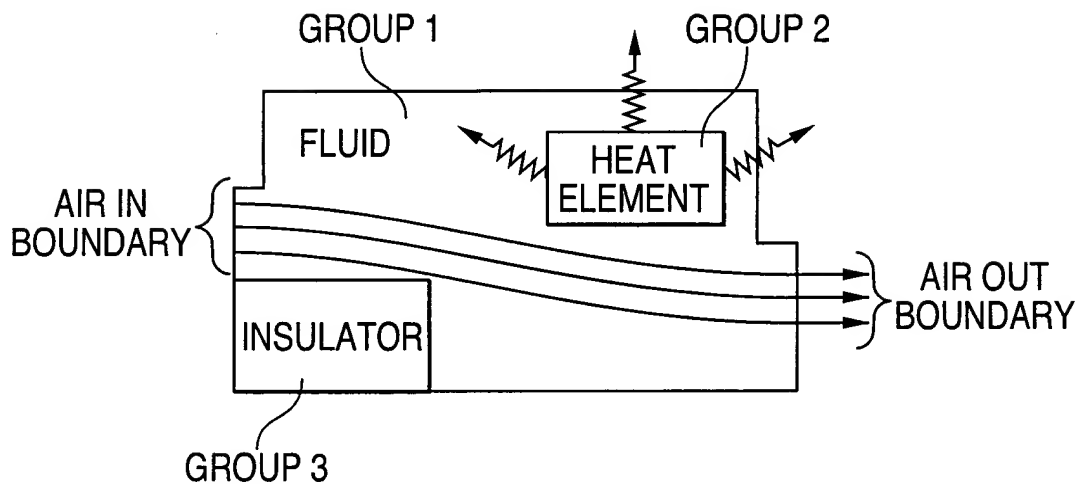
**FIG. 26**

GROUP NAME
GROUP 1
GROUP 2
GROUP 3
GROUP 4
GROUP 5
:
PHYSICAL MODEL
<input type="text"/>

BOUNDARY NAME
BOUNDARY 1
BOUNDARY 2
BOUNDARY 3
BOUNDARY 4
BOUNDARY 5
:
PHYSICAL MODEL
<input type="text"/>



**FIG. 27A**



**FIG. 27B**

